

What is claimed is:

1. A process of manufacturing a designed fiberglass wall covering
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 - (a) providing a fiberglass fabric;
 - (b) impregnating the glass fabric by applying a chemical dispersion to the glass fabric;
 - (c) drying the treated glass fabric;
 - 10 (d) subsequently forming a first image coating on one side of said treated glass fiber fabric by selectively applying a hydrophobic primary image coating to a portion of the treated glass fabric;
 - (e) subsequently forming a second image coating on said first image coating by selectively applying the coating to a portion of the
15 treated glass fabric, said coating applied from a chemical mixture comprising a polymeric binder and expandable chemicals, with said second coating being capable of creating distinct image pattern upon heating;
- 20 2. The process of claim 1 wherein the fiberglass fabric is a woven or non woven fabric.
3. The process of claim 1 wherein the chemical dispersion is applied in a continuous impregnation process.
- 25 4. The process of claim 1 wherein the chemical dispersion is water based and comprises starch and a polymeric binder.
5. The process of claim 4 wherein the chemical dispersion comprises also

a cross linking agent.

6. The process of claim 1 wherein the chemical dispersion comprises a mixture of potato starch, vinyl acetate ethylene copolymer, and an ammonium zirconium cross-linker.
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7. The process of claim 6 wherein the potato starch comprises 65-75%, the vinyl acetate ethylene copolymer 20-30%, and ammonium zirconium cross-linker 2-6% of dry substance total, further wherein the coating is water based and has a dry substance percentage in the chemical bath of between 3 and 15 weight percent.
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8. The process of claim 1 wherein the drying of the treated and / or coated glass fabric is accomplished in an air dryer or by contact drying on heated cylinders.
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9. The process of claim 1 wherein the selective applying of hydrophobic primary image coating is accomplished with a rotating screen applicator.
- 20 10. The process of claim 1 wherein the hydrophobic primary image coating comprises a hydrophobic binder or varnish.
11. The process of claim 10 wherein the binder or varnish comprises ethylene vinyl acetate copolymer.
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12. The process of claim 11 wherein the binder or varnish further comprises a thickener and a de-foamer.
13. The process of claim 12 wherein the binder or varnish further comprises

a coloring pigment.

14. The process of claim 1 wherein the hydrophobic primary image coating comprises a paint or a water based paint.

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15. The process of claim 14 wherein the paint is a metallic paint.

16. A process according to claim 1 wherein said polymeric binder of the second image coating is an acrylic latex binder.

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17. A process according to claim 1 wherein said expandable chemicals of the second image coating are thermoplastic microspheres.

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18. A process according to claim 1 wherein said chemical mixture of the second image coating also contains rheology modifier and de-foaming agents.

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19. A process according to claim 1 wherein said chemical mixture of the second image coating also includes pigments.

20. A process according to claim 1 wherein the application of said chemical mixture of the second image coating is accomplished through the use of a rotating screen applicator.

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21. A glass fiber wall covering with a distinct image pattern formed by the process of claim 1.

22. A glass fiber rolled good comprising a fiberglass fabric having applied thereon a secondary volumetric image coating to a portion of the surface

of the glass fabric, wherein prior to the secondary volumetric image coating a hydrophobic image coating was applied to a portion of the surface of the glass fabric, wherein the glass fabric was impregnated with a chemical dispersion prior to the hydrophobic primary image coating, whereby the second dried coating exhibits a volumetric image pattern, and whereby when a final coat is applied, selective areas will absorb and resist adsorbents of the final coating to create a plastic image comprising zones of relative less and more color or reflectance.

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